EUROPEAN JOURNAL OF OPERATIONAL RESEARCH

www.elsevier.com/locate/ejor

26008 - 519LB005

Volume 202, Issue 1, 1 April 2010

CONTENTS

Invited Reviews

- 1 The single-machine total tardiness scheduling problem: Review and extensions C. Koulamas
- 8 Dynamic pickup and delivery problems

G. Berbeglia, J.-F. Cordeau and G. Laporte

Multi-criteria decision making approaches for supplier evaluation and selection: A literature review W. Ho, X. Xu and P.K. Dey

Continuous Optimization

- 25 Multiparametric linear programming: Support set and optimal partition invariancy M. Hladik
- 32 Nondifferentiable multiobjective programming under generalized d_i-invexity H. Slimani and M.S. Radjef
- 42 A competitive and cooperative co-evolutionary approach to multi-objective particle swarm optimization algorithm design C.K. Goh, K.C. Tan, D.S. Liu and S.C. Chiam
- A compromise solution for the multiobjective stochastic linear programming under partial uncertainty F. Ben Abdelaziz and H. Masri
- 60 A multiobjective immune algorithm based on a multiple-affinity model Z.-H. Hu

Discrete Optimization

73 Heuristics and exact methods for number partitioning

J.P. Pedroso and M. Kubo

- 82 Two- and three-index formulations of the minimum cost multicommodity k-splittable flow problem M. Gamst, P. Neergaard Jensen, D. Pisinger and C. Plum
- 90 Batch scheduling of simple linear deteriorating jobs on a single machine to minimize makespan M. Ji and T.C.E. Cheng

Production, Manufacturing and Logistics

99 Facility location problems in the plane based on reverse nearest neighbor queries

S. Cabello, J.M. Díaz-Báñez, S. Langerman, C. Seara and I. Ventura

- 107 Multi-product newsboy problem with limited capacity and outsourcing B. Zhang and S. Du
- 114 The rectilinear distance Weber problem in the presence of a probabilistic line barrier M.S. Canbolat and G.O. Wesolowsky
- 122 A tabu search heuristic for the split delivery vehicle routing problem with production and demand calendars M.-C. Bolduc, G. Laporte, J. Renaud and F.F. Boctor
- 131 Inventory problems with perishable items: Fixed lifetimes and backlogging F. Olsson and P. Tydesjö
- 138 Deriving the DEA frontier for two-stage processes Y. Chen, W.D. Cook and J. Zhu

Stochastics and Statistics

143 The day-of-the-week effects on the volatility: The role of the asymmetry

A. Charles

153 Combining integer programming and the randomization method to schedule employees

A. Ingolfsson, F. Campello, X. Wu and E. Cabral

Continued on last page of this issue



0377-2217(20100401)202:1:1-9

Instructions for Authors

For the submission of papers to the European Journal of Operational Research please consult the Guide for Authors at http://authors.elsevier.com/locate/ejor.

Contents continued from the outside back cover

164 Constrained optimization in expensive simulation: Novel approach J.P.C. Kleijnen, W. van Beers and I. van Nieuwenhuyse

Decision Support

- 175 Using the Black-Derman-Toy interest rate model for portfolio optimization A. Weissensteiner
- 182 Applying relation algebra and ReLVIEW to measures in a social network

 R. Berghammer, A. Rusinowska and H. de Swart
- 196 Uncertainty and stepwise investment P.M. Kort, P. Murto and G. Pawlina

Innovative Applications of O.R.

- 204 Evolution of bank efficiency in Brazil: A DEA approach R.B. Staub, G. da Silva e Souza and B.M. Tabak
- 214 Analysis of supply chains with quantity based fixed incentives

 A. Halati and Y. He
- 223 Approximative solutions to the bicriterion Vehicle Routing Problem with Time Windows J. Müller
- 232 How to measure single-name credit risk concentrations

 P. Uberti and S. Figini
- 239 Mean-variance-skewness model for portfolio selection with fuzzy returns X. Li, Z. Qin and S. Kar
- 248 The emissions trading paradox
- F. Jaehn and P. Lelmathe
- 255 Can international environmental cooperation be bought? C. Fuentes-Albero and S.J. Rubio
- Decision support approach based on multiple objectives and resources for assessing the relocation plan of dangerous hillside aggregations

Y.-K. Juan, D. Castro and K. Roper

Interfaces with Other Disciplines

- 273 Improving discrimination in data envelopment analysis: PCA-DEA or variable reduction N. Adler and E. Yazhemsky
- 285 Fuzzy adaptive decision-making for boundedly rational traders in speculative stock markets S.D. Bekiros
- 294 Evaluation of German parties and coalitions by methods of the mathematical theory of democracy A. Tangian

Erratum

308 Erratum to "Network DEA: A slacks-based measure approach" [European Journal of Operational Research 197 (2009) 243–252] K. Tone and M. Tsutsui